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NOTICE OF ALLOWANCE AND FEE(S) DUE

513 7590 06/11/2009

WENDEROTH, LIND & PONACK, L.L.P.
1030 15th Street, N.W.,
Suite 400 East
Washington, DC 20005-1503

EXAMINER

DONABED, NINOS J

ART UNIT

PAPER NUMBER

2444

DATE MAILED: 06/11/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/530,927

04/08/2005

Yuki Horii

2005-0609A

9481

TITLE OF INVENTION: INFORMATION PROCESSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/11/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

513 7590 06/11/2009

WENDEROTH, LIND & PONACK, L.L.P.
1030 15th Street, N.W.,
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Washington, DC 20005-1503

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,927	04/08/2005	Yuki Horii	2005-0609A	9481

TITLE OF INVENTION: INFORMATION PROCESSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/11/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
DONABED, NINOS J	2444	709-246000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER

DONABED, NINOS J

ART UNIT

PAPER NUMBER

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DATE MAILED: 06/11/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 267 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 267 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/530,927	HORII ET AL.	
	Examiner	Art Unit	
	NINOS DONABED	2444	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 04/08/2009, Amendment.
2. ☒ The allowed claim(s) is/are 1, 2, 5, 6, 7, 8, 9 renumbered as 1-7.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>10/07/2008</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|---|

/N. D./
Examiner, Art Unit 2444

/William C. Vaughn, Jr./
Supervisory Patent Examiner, Art Unit 2444

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mark Pratt (REG # 45,794) on 5/15/2009.
3. The application is amended as follows:

1.(Currently Amended) -- An information processing apparatus storing a plurality of format engines each for executing data described in a different format, the information processing apparatus comprising:

format engine managing means for pre-defining common states which define operating states of each format engine in a representation common to all the format engines, and managing an operation of each format engine;

individual state obtaining means, provided in correspondence with each format engine, for obtaining an individual state of each format engine and sending common state information indicating the common state corresponding to the obtained individual state to the format engine managing means; and

operation control means, provided in correspondence with each format engine, for pre- defining a correspondence between the common states and individual states which define the operating states of each format engine in a representation different for

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each format engine, and controlling operations of the format engines such that each format engine is in an arbitrary individual state;

wherein for changing a format engine to a predetermined common state, the format engine managing means sends a message including common state information indicating the predetermined common state to the operation control means provided in correspondence with the format engine, and when the message is sent from the format engine managing means, the operation control means controls the format engine such that the format engine is in the individual state corresponding to the common state indicated by the common state information included in the message; and

wherein the format engine managing means manages an operation of each format engine based on the common state indicated by the common state information which is outputted from the individual state obtaining means;

further comprising a minimum resource which is used by a format engine during execution and cannot

be used simultaneously by a plurality of format engines; wherein: when the individual state obtained from a format engine shows an operating state using the minimum resource, the individual state obtaining means outputs common state information indicating a predetermined state to the format engine managing means as the common state information of the format engine; and when the individual state obtained from a format engine show an operating state not using the minimum resource, the individual state obtaining means outputs common state information

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indicating a state other than the predetermined state to the format engine managing means as the common state information of the format engine; and

the format engine managing means manages the operation of each format engine such that the common state information of only one format engine indicates the predetermined state.

5. (Currently Amended) -- An information processor according to claim [[4]] 1, wherein: the format engine managing means comprises: activation receiving means for receiving an activation request for activating a format engine; common state obtaining means for obtaining common state information of each format engine from the individual state obtaining means in response to the activation receiving means receiving the activation request; operation stopping means for, when the common state information of a format engine obtained by the common state obtaining means indicates a during-execution state, sending a message for stopping the operation of the format engine to the operation control means provided in correspondence with the format engine; and activation means for, after the operation of the format engine is stopped by the operation stopping means, sending a message for activating a format engine corresponding to the activation request to the operation control means provided in correspondence with the format engine.

8. (Currently Amended) – A program stored on a computer-readable storage medium and executable by a computer of an information processor storing format engines each

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for executing data described in a different format, wherein the program causes the computer to function as:

format engine managing means for pre-defining common states which define operating states of each format engine in a representation common to all the format engines, and managing an operation of each format engine;

individual state obtaining means, provided in correspondence with each format engine, for obtaining an individual state of each format engine and sending common state information indicating the common state corresponding to the obtained individual state to the format engine managing means; and

operation control means, provided in correspondence with each format engine, for pre-defining a correspondence between the common states and individual states which define the operating states of each format engine in a representation different for each format engine, and controlling operations of the format engines such that each format engine is in an arbitrary individual state;

wherein for changing a format engine to a predetermined common state, the format engine managing means sends a message including common state information indicating the predetermined common state to the operation control means provided in correspondence with the format engine, and when the message is sent from the format engine managing means, the operation control means controls the format engine such that the format engine is in the individual state corresponding to the common state indicated by the common state information included in the message; and

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wherein the format engine managing means manages an operation of each format engine based on the common state indicated by the common state information which is outputted from the individual state obtaining means;

further comprising a minimum resource which is used by a format engine during execution and cannot

be used simultaneously by a plurality of format engines; wherein: when the individual state obtained from a format engine shows an operating state using the minimum resource, the individual state obtaining means outputs common state information indicating a predetermined state to the format engine managing means as the common state information of the format engine; and when the individual state obtained from a format engine show an operating state not using the minimum resource, the individual state obtaining means outputs common state information indicating a state other than the predetermined state to the format engine managing means as the common state information of the format engine; and

the format engine managing means manages the operation of each format engine such that the common state information of only one format engine indicates the predetermined state.

9. (Currently Amended) – An information processor according to claim [[4]] 1, further comprising, as the format engine, Java middleware for executing a Java program and a browser for displaying HTML contents.

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Cancel claim 4.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:

Claims 1, 4, 5-9 are allowable over the prior art of record: the closest prior art of record (Takahashi et al U.S. Patent 5887193) does not teach nor suggest in detail individual state obtaining means, provided in correspondence with each format engine, for obtaining an individual state of each format engine and sending common state information indicating the common state corresponding to the obtained individual state to the format engine managing means; and the format engine managing means manages the operation of each format engine such that the common state information of only one format engine indicates the predetermined state in combination with all the elements of each of independent claim as argued by the Applicant (See remarks 04/08/2009 on page 9 line 4 - page 10 line 10 as well as pages of Applicant's enabling specification pages 6-7 and 32-36.) Takahashi teaches controlling the on and off state of some multimedia device using a multimedia controller. Furthermore Takahashi teaches a multimedia device with a software object which is a resident multimedia controller which performs management of the entire multimedia device. Whereas, as stated above, Applicant's claimed invention states individual state obtaining means, provided in correspondence with each format engine, for obtaining an individual state of each format engine and sending common state information indicating the common state corresponding to the obtained individual state to the format engine managing means;

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and the format engine managing means manages the operation of each format engine such that the common state information of only one format engine indicates the predetermined state. So as indicated in the above statements. Applicant's arguments have been considered persuasive, in light of the claims limitation as well as the enabling portions of the specification

5. Any comments considered necessary the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NINOS DONABED whose telephone number is (571)270-3526. The examiner can normally be reached on Monday-Friday, 7:30 AM-5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2444

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/N. D./
Examiner, Art Unit 2444

/William C. Vaughn, Jr./
Supervisory Patent Examiner, Art Unit 2444